Method and system for the secure transmission and storage of protectable information

Publication number: EP0821326
Publication date: 1998-01-28
Inventor: DEINDL MICHAEL (DE); WITZEL MARTIN (DE)
Applicant: IBM (US)
Classification:
- international: ***G06F12/14; G06F12/00; G06F21/24; G06K19/10; G07F7/10; H04L9/10; H04L9/32;*** **G06F12/14; G06F12/00; G06F21/00; G06K19/10; G07F7/10; H04L9/10; H04L9/32;** (IPC1-7): G07F7/10; G06K17/00; G06K19/073
- european: G07F7/10D4E; G07F7/10D10; G07F7/10D16
Application number: EP19970111514 19970708
Priority number(s): DE19961029856 19960724

Also published as:
US6031910 (A1)
JP10198606 (A)
EP0821326 (A3)
DE19629856 (A1)
EP0821326 (B1)

Cited documents:
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EP0668578
EP0434550
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Abstract of **EP0821326**

The present invention describes a method and system for the secure transmission and storage of protectable information, in particular, of patient information, by means of a patient card. The data stored on the patient card are protected by cryptographic methods. The data can be decrypted only with the same patient card if a doctor is authorised and the patient has given his agreement. All information which the patient card needs in order to decide whether the doctor is authorised and the key for protecting the control data and the random key are held on the chip. The patient data can be freely transmitted to any storage medium. The chip controls both the access to the data and the encryption and decryption functions. Random keys, which are themselves stored encrypted together with the data ensure that every data record remains separate from every other and that only authorised persons can access it. Every patient card has its own record key. The system and method in accordance with the invention is not directed exclusively to patient data but can be applied to any protectable data to which right of access is to be restricted.

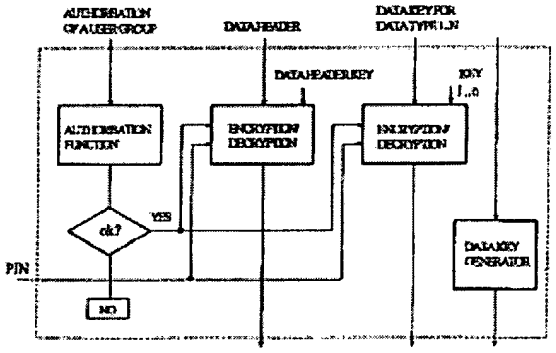

FIG. 2

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